



# SZABO SCANDIC

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## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Thalidomide

E3 UB ligase inhibitor  
Catalog No. SIH-336



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Thalidomide

### Description

E3 UB ligase inhibitor

### Purity

>98%

### CAS No.

50-35-1

### Molecular Formula

C<sub>11</sub>H<sub>11</sub>N<sub>1</sub>O<sub>1</sub>

### Molecular Weight

258.2

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Inhibitor

### Solubility

Soluble in 5 mg/ml DMSO

### Source

Synthetic

### Appearance

White Solid

### SMILES

C1CC(=O)NC(=O)C1N2C(=O)C3=CC=CC=C3C2=O

### InChI

InChI=1S/C13H10N2O4/c16-10-6-5-9(11(17)14-10)15-12(18)7-3-1-2-4-8(7)13(15)19/h1-4,9H,5-6H2,(H,14,16,17)

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**InChIKey**

UEJJHQNACJXSKW-UHFFFAOYSA-N

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**Safety Phrases**

Classification: Very toxic material causing immediate and serious toxic effects. Highly toxic teratogen.

Safety Phrases:

S22 - Do not breathe dust

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

S24/25- Avoid contact with skin and eyes

Hazard Statements:

H302 Harmful if swallowed

H360 May damage fertility or the unborn child

Precautionary Statements:

P201 Obtain special instructions before use.

P308 + P313 If exposed or concerned: Get medical advice/ attention.

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**Cite This Product**

Thalidomide (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-336)

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**Biological Description**

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**Alternative Names**

(±)-2-(2,6-Dioxo-3-piperidiny)-1H-isoindole-1,3(2H)-dione, N-(2,6-dioxo-3-piperidiny)phthalimide

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**Research Areas**

Cancer, Apoptosis

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**PubChem ID**

5426

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**Scientific Background**

Binds to the E3 ubiquitin ligase complex formed between CRBN, DDB1 and Cul4A inhibiting ligase activity. Inhibits TNF synthesis and FGF-induced angiogenesis. Cell permeable. Caution: Teratogenic.

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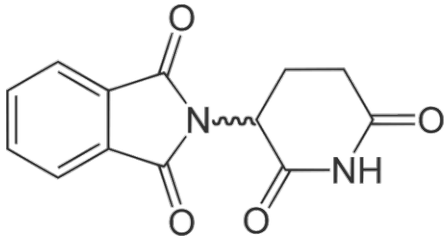
**References**

1. Ito T., et al. (2010) Science. 327:1345.
  2. Weglicki W.B., et al. (1993) Mol. Cell. Biochem. 129:195.
  3. DAmato R.J., et al. (1994) Proc. Natl. Acad. Sci. USA. 91:4082.
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**Product Images**

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Chemical structure of Thalidomide (SIH-336), a E3 UB ligase inhibitor. CAS #: 50-35-1. Molecular Formula: C<sub>13</sub>H<sub>10</sub>N<sub>2</sub>O<sub>4</sub>. Molecular Weight: 258.2 g/mol.



## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.